TEXAS INSTRUMENTS

TTL Logic

Standard TTL, Schottky, Low-Power Schottky

Data Book

1988

INTRODUCTION

In this volume, Texas Instruments presents pertinent technical information on our broad line of TTL integrated circuits. You will find complete specifications on the following TTL products:

- Standard TTL circuits
  - Series 54/74
- Schottky TTL circuits
  - Series 54LS/74LS, Low-Power Schottky
  - Series 54S/74S, Schottky

This edition is designed for ease of circuit selection with an alphanumerical index of devices in this book as well as a functional index. The functional index includes all standard bipolar and CMOS logic device types available or under development showing the available technologies for each type. Included in the functional index are the following families of products:

- Standard TTL
- Schottky - S
- Advanced Schottky - AS
- Low-Power Schottky - LS
- Advanced Low-Power Schottky - ALS
- 74F
- High-speed CMOS - HC/HCT
- Advanced CMOS Logic - AC/ACT
- BiCMOS bus interface - BCT
- Programmable Logic - TIBPAL
- VLSI Processors

The general information section includes an explanation of the function tables, parameter measurement information, and typical characteristics related to the TTL products listed in this volume.

Package dimensions given in the Mechanical Data section of this book are in metric measurement (and parenthetically in inches) to simplify board layout for designers involved in metric conversion and new designs.

Complete technical data for any TI semiconductor/component products are available from your nearest TI field sales office, local authorized TI distributor, or by writing direct to: Texas Instruments Incorporated, P.O. Box 809066, Dallas, Texas 75380-9066.

We sincerely hope you find the new Standard TTL Data Book a meaningful addition to your technical library.